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CHEMICALS FOR POTATO GROWERS

More and more are chemicals required for successful potato growing and more and more confusing the subject becomes for most growers. At Quaker Hill Farm we try out new materials and follow closely the experiment station tests so that we may know which are most economical, all things considered. We believe it will be a service to our customers to offer the materials we use, together with our recommendations. This year we offer:—

1. A chemical for dip treating seed potatoes that is as effective as any in controlling seed borne diseases, more effective and considerably cheaper than materials that have been widely advertised, much faster than the cold bichloride soak method and cheaper than the hot dip methods. We have used this material two years and consider it the most economical. For further details ask for circular on Farm Chemicals.

2. A special chemical for correcting scab conditions in the soil. No treatment of seed will produce a clean crop if soil conditions favor scab development. The soil has to be treated. This is simple and inexpensive. If you have had scabby potatoes, you'd better know about this material. Our circular on Farm Chemicals explains it.

3. Concentrated fertilizers. We have experimented with them during the past three years and last year used triple strength goods exclusively. There are many advantages such as less labor, lower cost per acre, better results. We can recommend them unreservedly and have arranged to supply our customers with the kinds we consider best. Read our Farm Chemicals circular.

4. Dust materials for home mixing. We have dusted potatoes for ten years with as satisfactory results as could be secured with spray. Fresh home mixed dusts have given better results and brought costs down to a reasonable figure. Home mixing is very simple with the Quaker Hill dust mixer. Monroe County potato growers have saved thousands of dollars by using our mixer and dust materials. You can save too. See our Dust circular.



Quaker Hill Farm Certified Russets
Eight Row Duster Covering Eight Acres Per Hour



Combining Cornellian Oats at Quaker Hill Farm

Certified Pedigreed
Field Seeds



Honeoye Falls, N. Y.

Sec. 435½, P. L. & R.
U. S. POSTAGE
PAID
Honeoye Falls, N. Y.
Permit No. 2

Over
1000 Acres
of Certified
Seeds Grown
from Test-Proven
Recommended Strains.

Horticultura 1 Library
U.S.Dept Agriculture,
Bureau of Plant Breeding,
Washington, D.C.

Potatoes Oats Barley Beans Peas Corn Wheat Rye Cabbage

Potatoes, oats,
barley, field peas,
wheat, rye, field
beans, silage corn,
husking corn,
cabbage.

Grown from
test-proven, high-
yielding strains.
Inspected for
disease freedom,
purity and
germination.



HONEOYE FALLS, N. Y.

Dear Friend:—

January 19, 1931

Spring will bring new opportunities and new courage, but blind optimism must be avoided. We must face the facts, and the most important one is that the general level of prices is much lower than it has been, and in all probability will continue low for some years to come. Leading economists attribute this to a gold shortage that has been developing since 1914. When there is less gold than is needed to carry on the world's business, gold becomes valuable in terms of commodities and commodities become cheap in terms of gold.

How should farmers meet this situation? We must reduce our costs per unit, or quit. The best ways of doing this are: (1st) Crop only the most productive land. (2nd) Fertilize well (Fertilizers are relatively cheap). (3rd) Use the highest producing seeds available. (4) Protect crops against insects and diseases. (5th) Save labor (which is relatively high priced) by changing to methods or using machines which have been proved more efficient.

This circular is intended to help you choose high producing seeds. Following are brief descriptions of strains of field crops that rank high if not highest in Experiment Station and Farm Bureau tests and that are recommended for use in the North Eastern States. Over one thousand acres of our seed crops were college inspected and are certified. We strive to produce as fine seed as is possible from these best-by-test strains. Our prices are reasonable.

Quaker Hill Farm seeds will help you meet the big problem of 1931 - the problem of reducing costs.

Sincerely, K. C. LIVERMORE

1931 Offerings Pedigreed Seeds

CORNELLIAN OATS

Outstanding leader in New York, Pennsylvania, and Michigan tests. Highly recommended in North Eastern States. Branching type, very good straw. Grain is small, slim, dark gray, very unattractive, but tests higher percentage of meats than any other. Quality is the finest and price the lowest in 10 years. This is the year to change seed. High yield, plus high feed value, make this a most profitable oat. Our seed is certified.

ITHACAN OATS

Near the Great Lakes and in the St. Lawrence Valley, Ithacan Oat yields about 4 bushels better than Cornelian and is recommended for those sections. Elsewhere it usually yields less than Cornelian. It has good straw, better looking white kernels, but tests only 71.8% meats. Our Ithacan seed is certified.

UPRIGHT OATS

Recommended strongly wherever oats usually lodge. Does not yield quite so well as Cornelian, but is most profitable on fields too rich for Cornelian. Branching type, tall but very stiff straw. Large, plump, white grain. Certified seed. Don't risk lodged oats again.

ALPHA BARLEY

This two-row hybrid, produced by an artificial cross, is the best barley for the N. Eastern States. Ranks first in grain and straw yields in N. Y. and New Jersey tests, also high in Pennsylvania, Michigan and W. Virginia tests. Under favorable conditions it yields 1½ tons of grain per acre. Beardless barleys have averaged

5 to 11 bushels less than Alpha and smooth bearded barleys 2 to 5 bushels less. No other barley has equalled Alpha in length and strength of straw. In driest seasons it is tall enough to bind. Certified seed of wonderful quality at prices that are right.

QUAKER HILL FIELD PEAS

Are sown alone, or with oats and barley and cut for green feed or hay, or matured for grain. In any form, peas are wonderful milk makers. Dairymen find them profitable, - provided disease free seed of a high yielding variety is used.

About three out of four lots of peas on the market are blight infected, yield poorly, sometimes nothing. Our seed comes from a blight free section. Every lot is disease tested by the State Experiment Station. Out of many varieties tested, Chang and Alberta White have yielded best in our tests. In two experiment station tests last season they yielded 2 to 13 bus. better than common varieties. Also important, they ripen with Cornelian Oat and Alpha Barley. Chang is a small brownish pea with black eye, easily distinguishable. It was imported by the U. S. Dept. of Agriculture. Alberta White is a product of the Al-

berta, Canada, experiment station, similar in appearance to Golden Vine but a better yielder. Seed is yellowish white and small. We offer disease free seed of these two outstanding varieties. No better, no safer pea seed is available. Prices are lower.

GRAIN MIXTURES

It is a fact that oats and barley, or peas, oats and barley mixtures usually yield more than either alone, provided, varieties that ripen together are used. Cornelian Oats, Alpha Barley and Quaker Hill Peas ripen together.

For your convenience we offer them ready mixed in recommended proportions, the usual amount for an acre in a bag. We advise use of these mixtures. No better and no cheaper grain feed can be raised in the East, than these mixtures. Our seed is grown and cleaned separately, and mixed properly; no better seed is available.

PEAS AND OATS FOR GREEN FEED OR HAY

When pastures go dry, nothing pays better than peas and oats cut green and tossed over the fence for the cows. But results will be disappointing if you use any old seed. Upright oats will yield 15% to 30% more forage than most other oats and at the same time be strong enough to carry without lodging the heavy load of peas which disease free Chang or Alberta White peas from Quaker Hill Farm will produce. We supply them separately or mixed in the right proportions for sowing. They are unexcelled also as a hay substitute when seedlings have failed.



Rogueing Pea Seed in Idaho for Quaker Hill Farm

SCRUB SEEDS
WASTE MONEY

GOOD SEEDS
MAKE MONEY



POTATOES

At Quaker Hill Farm, besides our other field seeds, we grow and handle thousands of bushels of certified seed potatoes, good ones too.

Good Breeding to Start With: Behind each lot of our seed potatoes there is a real heritage of bred-in yielding ability, coupled with good vine and tuber type. This is the result of selection and seed plot propagation, and in several cases, of tuber-unit and hill-unit breeding methods.

Then Favorable Growing Conditions: Our seed has that health and vigor found only in seed produced in cool summer climates. Monroe County, New York, bordering Lake Ontario with its stored up winter cold, Prince Edward Island, lying out in the St. Lawrence Gulf, and the northern point of Michigan, between two of the Great Lakes, all have favorable climates for producing vigorous seed potatoes. It is from these places that our seed comes.

Best Varieties and Strains: The four varieties we offer meet all practical requirements of the North Eastern States.

Irish Cobbler: The best early potato because of yield and market popularity. It brings cash in 90 days. When planted as early as weather permits and conditions are favorable, it yields 200 to 400 bushels on upland and 400 to 600 bushels on muck land. Our Cobblers were grown in Prince Edward Island, Canada. We offer regular certified stock and also special lots from the cleanest fields and best strains. From past experience, we are confident that these will pay better than any other Cobblers.

Green Mountains: A mid-season variety when planted early. Used extensively as late crop where growing seasons are short, moist and cool. Not recommended where hot, dry periods occur. We offer exceptionally good Prince Edward Island seed.

Russets: A deep-rooted, strong-vined potato that stands up well under hot dry conditions. Under favorable conditions it makes big yields, 300 to 400 bushels being common and the record being 696 bushels, made in Pennsylvania in 1928. We offer N. Y. and Mich. certified Russets. All are from two exceptionally well bred strains and in no field was more than a trace of any disease reported.

Rurals: Smooth or White Rurals have the same adaptation as Russets. The white skin is preferred by some markets. It is more susceptible to scab; it feathers more; and may rot more than Russets when blight occurs. Our Rurals have years of careful selection back of them and were practically 100% disease free, less than a dozen diseased plants being found in a 25 acre field.

Proper Storage Conditions: The best of seed potatoes can be ruined in storage. All our seed potatoes are in

special storage, with temperature, humidity, and ventilation so controlled that the seed will be dormant until the shipping season. It will reach you with all its vitality conserved and ready to produce abundantly.

Grades and Sizes: Grading and sacking are done conscientiously with modern equipment. All shipments under certification tags are subject to Government inspection and must meet the requirements of U. S. No. 1 grade or better. In addition potatoes over 12 ounces are removed. We also offer small sized and an Economy Grade as described below. These are from the same certified stock but certification tags cannot be used on them.

Grades and sizes are as follows:
Cobblers and Mountains

U. S. No. 1 grade 1 7/8" minimum
Michigan Russets

U. S. No. 1 grade 1 7/8" minimum

U. S. No. 1 grade 1 1/2" to 1 7/8"

New York Russets and Rurals

U. S. No. 1 grade 1 11/16" mini.

Economy grade 1 11/16" minimum

Small 1 1/4" to 1 11/16"

The 1 11/16" minimum size includes seed down to two ounces, but all large enough to cut once. This sizing meets the demand for more potatoes to cut once. They go further and make better stands.

The small size includes seed from just over 1 to almost 2 ounces, averaging 1 1/2 ounces, just right for planting whole, without labor of cutting, waste of seed or trouble in planting.

The Economy grade is the same as U. S. No. 1 except that potatoes showing slight wire worm or grub injuries, or potatoes slightly cut or misshapen or sun burned, are not culled out. They have just as much seed value as perfect tubers, and usually amount to less than 15% of the whole.

Quaker Hill Seed Potatoes Pay: They have behind them the better breeding, greater vigor, extra disease freedom, and proper handling which produce extra bushels and more profit. They have satisfied hundreds of our customers and will satisfy you. Prices are reasonable. See order sheet at right. Ask for special prices on 100 bushel lots and car loads.

FIELD BEANS

Success with beans depends mostly on disease resistance and bred-in yielding ability. On this basis the strains listed below are the best available for eastern growers.

Perry Marrow: Disease resistant, high yielding hybrid. Upright growth, least spotting. Best market type.

Robust Pea: Wonderful yielder. Seldom shows disease. Late maturing. Runner vines, some spotting in wet harvest.

York Red Kidney: Blight free seed grown in California. Should outyield California Reds because resistant to mosaic and anthracnose, and better bred for yielding. One of two red kidney hybrids produced at Geneva Ex-

periment Station. Outyields Wells and is 7 to 10 days earlier.

Geneva White Kidney: Blight free seed grown in California. The highest yielding of many selections tested at Geneva. Strong upright plant holding crop off the ground.

HUSKING AND SILAGE CORN

The following meet the needs of practically all sections in the North Eastern States.

Yates: New hybrid flint. One of the earliest we ever tested and the highest yielder of six leading flints in a farm bureau test here. Ears light yellow to dark red, large, mostly 12 row. Very small kernels, hens like it.

We asked every customer who used Yates last season to report results. Every report to date has been favorable—most of them enthusiastic. It is the surest to mature of any corn we know.

Cornell No. 11: A dual purpose, yellow dent, bred for earliness and yield. One to two weeks later than Yates. Averaged nearly 70 bushels shelled in College tests. Probably the best for husking at elevations under 1000 ft. For silage, usually averages most feed per acre, about 13T easy to handle stalks with 1 1/2 T grain per acre. Worth \$20 to \$40 per acre more than bigger corn with little grain. **West Branch Sweepstakes:** Another vigorous hybrid. Big ears, all shades white to red. Large leafy stalks. Six to ten days later than Cornell No. 11. Excellent husking corn where seasons are long enough. N. Y. silage tests rank it first among big corns, because of more grain. Especially desirable where seasons are long or big tonnage is required from limited area.

Our seed corn was grown from strains of these varieties which we have developed by careful field selection and ear testing year after year. They are equal or superior to other strains. Varietal purity and good germination are guaranteed.

QUAKER HILL DANISH CABBAGE

For quality and yield, Quaker Hill Danish has few equals and no superiors. College and Farm tests in New York and Pennsylvania for recent years support this statement. On several occasions in official tests it has yielded over 24 tons per acre. Last season when many imported strains of cabbage were not worth harvesting Quaker Hill Danish made 10 to 16 tons per acre with "every head hard" in spite of drouth. One station selected this strain for certain experimental purposes because of its uniformity and reported a yield of 18 tons per acre with ordinary fertilization.

Our seed is produced entirely from selected mature heads. Every ounce is hotwater treated. It is absolutely free from seed borne diseases. No cheaper seed is available. It pays for itself with more plants, better yield and better quality. Try it.

Order Sheet for



Pedigreed Seeds

LIBRARY

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FEB 2 1931

U. S. Department of Agriculture

JANUARY 19, 1931

Prices. The prices listed below are for spring delivery. Cabbage seed prices are with postage paid. All other prices are f.o.b. shipping points, bags free. Approximate freight rates per bushel to most points in New York and adjacent States are:—potatoes, beans, peas 8c to 10c; oats 5c to 12c; barley 7c to 18c; corn 5c to 20c. Delivered prices will be quoted if requested. Special prices will be quoted on large quantities. Prices are subject to change; if lower when your order is received, the difference will be refunded; if higher you will be notified and may reduce the order, pay difference or cancel order and have payment returned.

Time of Shipment. Potatoes will be shipped as nearly as possible on dates requested but orders of less than 170 bus. can not be shipped until freezing danger is over, usually about April 1st. Shipment of other seeds will begin about March 1st and thereafter will be made as promptly as possible after orders are received, usually within 24 hours.

Guarantees. We guarantee safe arrival and satisfactory condition of seed. Any shortage or damage should be noted on freight receipt by agent before you accept it and reported at once. If for any reason the seed is not satisfactory notify us as soon as possible after its arrival. We will replace if possible, or refund if you prefer. We aim to give complete satisfaction.

K. C. Livermore, Honeoye Falls, N. Y.

Dear Friend:— I wish to order the following:

1931

POTATOES						1-9 Bags	10 Bags	
bags 2½ bu.	COBBLERS, P. E. I. Certified U. S. 1	-	-	-	-	@ \$4.45	\$4.25 bag	\$
bags 2½ bu.	SPECIAL COBBLERS from fields showing no diseases, P. E. I. Certified, U. S. 1	-	-	-	-	@ \$4.70	\$4.50 bag	\$
bags 2½ bu.	GREEN MOUNTAINS, P. E. I. Certified U. S. 1	-	-	-	-	@ \$4.75	\$4.55 bag	\$
bags 2 bu.	RUSSETS, N. Y. Certified U. S. 1	-	-	-	-	@ \$3.40	\$3.20 bag	\$
bags 2 bu.	RURALS, " " "	-	-	-	-	@ "	" "	\$
bags 2 bu.	RUSSETS, N. Y. Economy Grade	-	-	-	-	@ \$3.00	\$2.80 bag	\$
bags 2 bu.	RURALS, " " "	-	-	-	-	@ "	" "	\$
bags 2 bu.	RUSSETS, N. Y. Small 1¼" - 1 11/16"	-	-	-	-	@ \$3.00	\$2.80 bag	\$
bags 2 bu.	RURALS, " " "	-	-	-	-	@ "	" "	\$
bags 2 bu.	RUSSETS, Mich. Certified, U. S. 1	-	-	-	-	@ \$4.80	\$4.60 bag	\$
bags 2 bu.	" " Small, 1½" - 1¾"	-	-	-	-	@ \$4.00	\$3.80 bag	\$
OATS, BARLEY, PEAS & MIXTURES						1-9 Bags	10 Bags	
bags 3 bu.	CORNELLIAN OATS, Certified	-	-	-	-	@ \$2.60	\$2.50 bag	\$
bags 3 bu.	ITHACAN OATS, Certified	-	-	-	-	@ "	" "	\$
bags 3 bu.	UPRIGHT OATS, Certified	-	-	-	-	@ "	" "	\$
bags 2½ bu.	ALPHA BARLEY, Certified	-	-	-	-	@ \$3.35	\$3.25 bag	\$
bags 2 bu.	CHANG FIELD PEAS	-	-	-	-	@ \$6.20	\$6.10 bag	\$
bags 2 bu.	ALBERTA WHITE FIELD PEAS	-	-	-	-	@ "	" "	\$
bags 100 lb.	OATS & BARLEY MIXTURE	-	-	-	-	@ \$2.80	\$2.70 bag	\$
bags 110 lb.	PEAS, OATS & BARLEY MIXTURE	-	-	-	-	@ \$3.75	\$3.65 bag	\$
bags 108 lb.	PEAS & OATS MIXTURE	-	-	-	-	@ \$4.40	\$4.30 bag	\$
CORN						¼-9 Bu.	10 Bu.	
bu.	WEST BRANCH SWEEPSTAKES	-	-	-	-	@ \$3.20	\$3.00 bu.	\$
bu.	CORNELL No. 11	-	-	-	-	@ "	" "	\$
bu.	YATES FLINT	-	-	-	-	@ "	" "	\$
bu.	CORNELL No. 11, Certified	-	-	-	-	@ \$3.60	\$3.40 "	\$
BEANS						¼-9 Bags	10 Bags	
bags 100 lb.	PERRY MARROW, N. Y. Certified	-	-	-	-	@ \$8.00	\$7.50 bag	\$
bags 100 lb.	ROBUST PEA, N. Y. Certified	-	-	-	-	@ \$7.50	\$7.00 "	\$
bags 100 lb.	YORK RED KIDNEY, California grown	-	-	-	-	@ \$12.00	\$11.50 "	\$
bags 100 lb.	GENEVA WHITE KIDNEY, California grown	-	-	-	-	@ "	" "	\$
CABBAGE						¼-4 lbs.	5-9 lbs.	10 lbs.
lb.	QUAKER HILL DANISH, postpaid	-	-	-	-	@ \$9.00	\$8.50	\$8.00 lb.
								\$
								\$
								\$

TERMS: 10% with order and balance before shipment or at bank on arrival of seed, with collection fees added. Three per cent discount allowed on full payments of orders in January, 2% in February. On orders of \$20 or more paid before March 1st, \$1.00 additional discount may be taken if names and addresses of 10 good farmers are sent.

Name of Bank _____ P. O. _____

Ordered by _____ P. O. _____

SHIPMENT

Ship to (person) _____ P. O. _____

R. R. Station _____ State _____

Railroad _____

Ship about when _____

Ship how _____

NOTE. If your station is a prepay station, please send amount of freight with payment or give name of nearest station with agent to which we may ship.

Total	-	-	-	-	\$
Discount	-	-	-	-	\$
Check herewith	-	-	-	-	\$
Balance	-	-	-	-	\$

